

9-2 Translation

Translation--transformation that moves all points of a figure the same distance in the same direction

A translation is an isometry.

(slide, glide, shift)

$$(x, y) \rightarrow (x+2, y-3)$$

What translation mapped

$$(3, 8) \rightarrow (-2, 4)?$$

$$(x, y) \rightarrow (x-5, y-4)$$

What translation mapped

$$(0, 9) \rightarrow (-6, 0)?$$

$$(x, y) \rightarrow (x+6, y)$$

Composition of Reflections-- Successive reflections in parallel lines

The result is a translation.

gsp

Glide Reflection--Translation and a reflection

Pennant Plot Activity

HW

p472-474

9-15, 19, 28,29,36

Attachments

9_2note_ex.gsp

pennant_complete.gsp

9_1HW_NO32.gsp